M.A.R. 57 (Rule 116)

Measurement Book No. C/09 1795

.....

work.....From.....To.....

Contractor of nature of Agency.....

ommencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	Pre measurement recorded on 24/4/13					
Providing TMT Steel reinforcement for R.C.C work.						
16mm 4 Nos	18 × 4	× 1.80	= 129.6	× 1.57	= 203.47 kgs.	
12mm 4 Nos	18 × 4	× 1.80	= 129.6	× 0.89	= 115.34 kgs.	
Rings	18 × 6	× 1.80	= 194.4	× 0.62	= 120.52 kgs	
					439.33 kgs.	
					4.39 Qtl.	
C&E					Ravi. N. K. 24/4/13	
24/4/13.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
I-9	Providing and laying in position plain cement concrete of nominal mix 1:4:8 using 40mm pre measurement recorded on 8/5/13.						
		1	30.0	6.5+6.5 / 2	x 0.15	= 29.25 cum	
		1	26.50	6.5+6.5 / 2	x 0.15	= 25.83 cum	
		1	30.0	6.8+6.8 / 2	x 0.15	= 30.60 cum	
		1	17.50	6.8+6.8 / 2	x 0.15	= 17.85 cum	
		1	30.50	7.3+7.3 / 2	x 0.15	= 33.39 cum	
						136.93 cum	
				Limited to tender		135.53 cum	

C&E

8/5/13

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ಕಛೇರಿ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

8/5/13

Asst. N.K.

AEE/SSD/SBR 27/13-14

M.A.R. 57 (Rule 116) Measurement Book

BR 129/31.05.2013

No. C/09

1796

Serial No. 1st & final. AC 29-5-13

Name of work. Providing cement concrete to cross roads at Abbigere Jaraethahalli in Shettyhalli Sub-Division ward no-12. From... To...

Name of Contractor or nature of Agency. Techn. asst manager (Civil) KRIDL

Date of commencement of work. NO EE/DD/WO/355/12-13 D:-15/2/13

Estimate Cost:- 9.99 lakhs.

JC:-012-11-0000722

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-1	Earthwork in surface excavation in ordinary soil for leveling ground the ground manually (other than foundation) and removing the excavated stuff to a distance not exceeding 50m & lift up to 1.5m excavated surface leveled neatly complete as per specifications. Qty vide Pg No 1794/1 of this M.B. Measured on 29/5/13.					305.88 cum @ 127=50 Rs:- 38908=00	
I-2	Earth work excavation for foundation of buildings, culverts, Sanitary lines & electrical conducts either in pits or in trenches 1.5m and above in width in ordinary soil not exceeding 1.5m in depth including dressing the bottom & sides complete as per specifications. Qty vide Pg No 1794/2 of this M.B.					Water supply 28.80 cum @ 109=18 Rs:- 3144=00	
I-3	Providing and laying in Position plain cement concrete of nominal mix 1:4:8 using 40mm & down size graded granite metal machine mixed concrete laid in layers not exceeding 15cm thick well compacted						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in foundation & plinth, including cost of all materials labour HOM machinery curing complete as per specifications. Qty vide pg NO 1794 of this M.B.					3.24 cum @ 3153=50	10217=00
I-A	Providing and constructing granite/trap/basalt rubble stone masonry in foundation with CM 1:6 edges of stone chisseled dressed in courses not less than 15cms high bond stones at two m apart in each course including cost of materials labour curing complete as per specifications. Qty vide ↑						
		2	5.40	0.60	0.90	5.83 cum	
		2	6.0	0.60	0.90	6.48 cum	
						12.31 cum @ 2776=14	34174=00
I-5	Providing and laying in Position plain cement concrete of mix 1:2:4 using 40mm down size graded granite metal machine mixed concrete laid in layers not exceeding 15cms thick well compacted to foundation and plinth including cost of all materials complete as per specification						
		2	5.40	0.60	0.10	0.64 cum	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 1797

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	6.0	0.60	0.10	0.72 cum	
	Limited to tender qty					1.36 cum	
						0.72 cum @ 3845=68	
I-6	Providing and laying in position second sized rubble course or uncourse stone masonry with cm 1:3 20mm deep after breaking of joints to depth of 20 mm nicely dining including cost of all materials complete as per specifications.						2707=00
		2	5.40	0.90		9.72 sqm	
		2	6.0	0.90		10.80 sqm	
						20.52 sqm @ 57=13	1172=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-7.	Providing and laying cement concrete using 20 mm & down granite jelly of ready mixed concrete (RMC) for R.C.C. Works laid in 15 cms thick layers and well compacted vibrating curing finishing with necessary cement mortar form works and scaffolding to with stand pumping of concrete with all lead & lift etc., cement concrete M-15 (1:2:4) for raft foundation Column footing main & secondary beams.	18	1.80	0.60	0.23	= 4.47 cum @ 4386=28 Rs	= 19611=00. 19606=00
I-8	Providing and laying steel reinforcement for R.C.C. work including straightening cutting bending hooking placing in Position lapping and/or welding wherever required tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications. By vide Pg No 1795/1 of this M.B					4.39 qtl @ 5031=14 Rs	= 22087=00
I-9	Providing and laying in position plain cement concrete						

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 1798

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	of nominal mix 1:4:8 using 40 mm & down size graded granite metal machine mixed concrete laid in layers not exceeding 15 cms thick well compacted in foundation & and plinth including cost of all materials labour HOT/A machinery curing complete as per specification. By vide Pg No 1795/2 of this M.B.					135.53 cum @ 3153=50 Rs	= 427394=00
I-10	providing and laying cement concrete using down & down size granite jelly of ready mixed concrete for R.C.C Works laid in 15 cms thick layers & well compacted vibrated curing finishing with necessary cement mortar form work & scaffoldings to with stand pumping of concrete with all & lift etc., complete R.M.C cement concrete M-15 (1:2:4) for						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Raft foundation column footing main & secondary beam.						
		1	30.0	6.5+6.5 / 2	0.10	= 19.50 cum	
		1	26.50	6.5+6.5 / 2	0.10	= 17.22 cum	
		1	30.0	6.8+6.8 / 2	0.10	= 20.40 cum	
		1	17.50	6.8+6.8 / 2	0.10	= 11.90 cum	
		1	30.50	7.3+7.3 / 2	0.10	= 22.26 cum	
						91.29 cum	
				Limited to tender		90.35 cum	
						@ 4386=28	
						Rs. 396300=00	
I-11	Providing and fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing.						
		1	8.50			= 6.50 sm	
		1	6.50			= 6.50 m	
		1	6.8			= 6.80 m	
		1	7.3			= 7.30	

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 1799

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	6.80			= 6.80 m	
						33.90 m	
						Limited to tender 30.0 m	
						@ 130=38	
						Rs. 3911=00	
I-11	Conveying the excavated earth to a distance of 2 km with all leads & lift complete as per specification. Qty vide item no ① + ②		28.80 / 305.88			= 334.68 cum.	
						Limited to tender 327.0 cum	
						@ 71=34	Rs. 23328=00
	Total Amount:- 983015=00.						
	10% Charges:- 98301=00						
	1081316=00						
	Total 1081300=00						

Certificate.

1) Certified that contractor has removed all debris from the work spot

2) certified that the contractor has done the work satisfactory.

3) Certified that there is no due from Contractor side.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Abbigere Jamatha Colony main road						
	4.70 Sqm Huseen Shreg Road						
	76.5Sqm Shivanna garden Road						
	30.5Sqm Drainage Pavement Road Ary Clean Road						
	7th Cross						
	N						
	Ravi N.K.						
	Ravi.N.K.						

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 1800

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Audited and admitted for Rs. 108130=00

Passed by Cheque for Rs. 93278=00

(.....)

by adjustment 14902=00

Accounts Superintendent Executive Engineer

B.B.M.P., Hegganahalli Division